Page 1 of 4 MATLOCK AREA NON-SURFACE USE LEASE

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PAID UP OIL AND GAS LEASE

Wen AGREEMENT~ EASE aro is THIS · made

PGS 27 day

\$28.00

-of - March

2008,

GAS, INC., 1000 Louisiana Street, Suite 1500, Houston, Texas 77002, as Lessee. All printed portions of this lease were prepared by the party hereinabove named as Lessee, but all other provisions including the completion of blank spaces, were prepared jointly by Lessor and Lessee.

1. Description: In consideration of a cash bonus in hand paid and the covenants herein contained, Lessor hereby grants, leases and lets exclusively to Lessee the following described land, hereinafter called "leased premises".

SEE EXHIBIT "A" ATTACHED HERETO FOR DESCRIPTION OF LEASED PREMISES

In the County of Tarrant, State of Texas, containing 172 acres, more or less, (including any interests therein which Lessor may hereafter acquire by reversion, prescription or otherwise), for the purpose of exploring for, developing, producing and marketing oil and gas along with all hydrocarbon and nonhydrocarbon substances produced in association herewith. The term "gas" as used herein includes helium, carbon dioxide, gaseous sulfur compounds, coalbed methane and other commercial gases, as well a normal hydrocarbon gases. In addition to the above-described land, this lease and the term "leased premises" also covers accretions and any small strips or parcels of land now or hereafter owned by Lessor which are contiguous or adjacent to the above-described land, and, in consideration of the aforementioned cash bonus, Lessor agrees to execute at Lessee's request any additional or supplemental instruments for a more complete or accurate description of the land so covered. For the purpose of determining the amount of any payments based on acreage hereunder, the number of gross acres above specified shall be deemed correct, whether actually more or less.

- 2. Term of Lease: This lease, which is a "paid-up" lease requiring no rentals, shall be in force for a primary term of Three (3) years from the date hereof, and for as long thereafter as oil or gas or other substances covered hereby are produced in paying quantities from the leased premises or from lands pooled therewith or this lease is otherwise maintained in effect pursuant to the provisions hereof.
- 3. Royalty. The royalty share for all oil and gas under this Lease shall be 25.5%.

Lessor's royalty shall never bear or be chargeable with, either directly or indirectly, any part of the costs or expenses of production, gathering, dehydration, compression, transportation, manufacturing, processing, treating, marketing, or depreciation of any plant or other facility or facilities or equipment for processing or treating of the oil or gas produced from the Lease Premises or any other costs of a similar nature. Gas shall be priced at the point of sale to a third

party and not at the well unless an arms length sale to a third party occurs at that point.
Upon written request and reasonable notice by Lessor, Lessee shall make available to Lessor or Lessor's authorized representative for inspection and examination the books and accounts, receipts, well records, and all contracts and other records pertaining to the production, transportation, sale, and marketing of the oil and gas produced on the Lease Premises which relate to or have bearing on, in any manner, the royalty to be received by Lessor hereunder. Any inspection or examination shall be done at Lessee's principal place of business during normal working hours.

Any use of oil or gas produced from gas well operations on or under the Lease Premises shall be included in calculating revenue and payment of royalties from the well production.

The agreed acreage for the purpose of computing the Lessor's fractional share of bonus, royalty and other payments shall also include Lessor's proportionate share of any street, alley, highway, railroad, canal, river, body of water adjacent to or contained within the Subdivision, or, if property is not included in a Subdivision, any such acreage immediately adjacent to Lessor's property. Lessee shall calculate the proportion of royalties payable to each Lessor under this Lease. Upon written request from Lessor, Lessee will provide Lessor with documentation of the title and other details used to arrive at the royalty interest of

The terms and provisions of this Provision 3 will survive any release or termination of the Lease. This Provision 3 shall be binding upon and inure to the benefit of the Lessor and his or her respective heirs, successors and assigns, and all terms, provisions and reservations contained in this Lease shall be deemed as covenants running with the land.

- 4. Shut-in Payment: All shut-in royalty payments under this lease shall be paid or tendered directly to Lessor at the above address, or its successors, regardless of changes in the ownership of said land. All payments or tenders may be made in currency, or by check or by draft and such payments or tenders to Lessor by deposit in the U.S. Mails in a stamped envelope addressed to the Lessor at the last address known to Lessee shall constitute proper payment. If at the end of the primary term or any time thereafter one or more wells on the leased premises or lands pooled therewith are capable of producing oil or gas or other substances covered hereby in paying quantities, but such well or wells are either shut in or production therefrom is not being sold by Lessee, such well or wells shall nevertheless be deemed to be producing in paying quantities for the purpose of maintaining this lease. If for a period of 90 consecutive days such well or wells are shut in or production therefrom is not being sold by Lessee, then Lessee shall pay an aggregate shut-in royalty of one dollar per acre then covered by this lease, such payment to be made to Lessor on or before the end of said 90-day period and thereafter on or before each anniversary of the end of said 90-day period while the well or wells are shut in or production therefrom is not being sold by Lessee; provided that if this lease is otherwise being maintained by operations, or if production is being sold by Lessee from another well or wells on the leased premises or lands pooled therewith, no shut-in royalty shall be due until the end of the 90-day period next following cessation of such operations or production. Lessee's failure to properly pay shut-in royalty shall render Lessee liable for the amount due, but shall not operate to terminate this lease.
- 5. Operations: If Lessee drills a well which is incapable of producing in paying quantities (hereinafter called "dry hole") on the leased premises or lands pooled therewith, or if all production (whether or not in paying quantities) permanently ceases from any cause, including a revision of unit boundaries pursuant to the provisions of Paragraph 6 or the action of any governmental authority, then in the event this lease is not otherwise being maintained in force it shall, nevertheless, remain in force if Lessee commences operations for reworking an existing well or drilling operations for an additional well or for otherwise obtaining, restoring or increasing production on the leased premises or lands pooled therewith within 90 days after competition of operations on such dry hole or within 90 days after such cessation of all production. If at the end of the primary term, or at any time thereafter, this lease is not otherwise being maintained in force but Lessee is then engaged in drilling, reworking or any other operations reasonably calculated to obtain, restore or increase production therefrom, this lease shall remain in force so long as any one or more of such operations are prosecuted with no interruption of more than 90 consecutive days, and if any such operations result in the production of oil or gas or other substances covered hereby, as long thereafter as there is production in paying quantities from the leased premises or lands pooled therewith. After completion of a well capable of producing in paying quantities hereunder, Lessee shall drill such additional wells on the leased premises or lands pooled therewith as a reasonably prudent operator would drill under the same or similar circumstances to (a) develop the leased premises as to reservoirs then capable of producing in paying quantities on the leased premises or lands pooled therewith. protect the leased premises from uncompensated drainage by any well or wells located on other lands not pooled therewith. There shall be no covenant to drill exploratory wells or any additional wells except as expressly provided herein.
- 6. Pooling: Lessee shall have the right, but not the obligation to pool all or any part of the leased premises or interest therein with any other lands or interests, as to any or all depths or zones, and as to any or all substances covered by this lease, either before or after the commencement of drilling or production whenever Lessee deems it necessary or proper to do so in order to prudently develop or operate the leased premises, whether or not similar pooling authority exists with respect to such other lands or interests. The creation of a unit by such pooling shall be based on the following criteria (hereinafter called "pooling criteria"): A unit for an oil well (other than a horizontal) shall not exceed 40 acres plus a maximum acreage tolerance of 10%, and for a gas well or a horizontal completion shall not exceed 640 acres plus a maximum acreage tolerance of 10%; provided that a larger unit may be formed for an oil well or gas well or horizontal completion to conform to any well spacing or density pattern that may be prescribed or permitted by any governmental authority having jurisdiction to do so. For the purposes of the forgoing, the terms "oil well" and "gas well" shall have the meanings prescribed by applicable law or the appropriate governmental authority, or if no definition is so prescribed, "oil well" means a well with an initial gas-oil ratio of less than 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet or more pre barrel, based on a 24-hour production test conducted under normal producing conditions using standard lease separator facilities or equivalent testing equipment; and the term "horizontal completion" means an oil or gas well in which the horizontal component of the gross completion interval in the reservoir exceeds the vertical component thereof. In exercising its pooling rights hereunder, Lessee shall file of record a written declaration describing the unit and stating the effective date of pooling. Production, drilling or reworking operations anywhere on a unit which includes all or any part of the leased premises shall be treated as if it were production, drilling or reworking operations on the leased premises, anywhere on a unit which includes all or any part of the leased premises shall be treated as if it were production, drilling or reworking operations on the leased premises, except that the production on which Lessor's royalty is calculated shall be that proportion of the total unit production which the net acreage covered by this lease and included in the unit bears to the total gross acreage in the unit, but only to the extent such proportion of unit production is sold by Lessee. In the event a unit is formed hereunder before the unit well is drilled and completed, so that the applicable pooling criteria are not yet known, the unit shall be based on the pooling criteria Lessee expects in good faith to apply upon completion of the well; provided that within a reasonable time after completion of the well the unit shall be revised if necessary to conform to the pooling criteria that actually exists. Pooling in one or more instances shall not exhaust Lessee's pooling rights hereunder and Lessee shall have the recurring right but not the obligation to revise any unit formed hereunder by expansion or contraction or both, either before or after commencement of production, in order to conform to the well spacing or density pattern prescribed or permitted by the governmental authority having jurisdiction, or to conform to any productive acreage determination made by such governmental authority. To revise a unit hereunder, Lessee shall file of record a written declaration describing the revised unit and stating the effective date of revision. To the extent any portion of the leased premises is included in or excluded from the unit by virtue of such revision, the proportion unit production on which of revision. To the extent any portion of the leased premises is included in or excluded from the unit by virtue of such revision, the proportion unit production on which royalties are payable hereunder shall thereafter be adjusted accordingly. In the absence of production in paying quantities from a unit, or upon permanent cessation thereof, Lessee may terminate the unit by filing of record a written declaration describing the unit and stating the date of termination. Pooling hereunder shall not constitute a crossconveyance of interests.

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- 7. Payment Reductions: If Lessor owns less than the full mineral estate in all or any part of the leased premises, the royalties, and shut-in royalties payable hereunder for any well on any part of the leased premises or land pooled therewith shall be reduced to the proportion that Lessor's interest in such part of the leased premises bears to the full mineral estate in such part of the leased premises. To the extent any royalty or other payment attributable to the mineral estate covered by the lease is payable to someone other than Lessor, such royalty or other payment shall be deducted from the corresponding amount otherwise payable to Lessor hereunder.
- 8. Ownership Changes: The interest of either Lessor or Lessee may be assigned, devised or otherwise transferred in whole or in part by area and/or by depth or zone, and the rights and obligations of the parties hereunder shall extend to their respective heirs, devisees, executors, administrators, successors and assigns. No change in Lessor's ownership shall have the effect of reducing the rights or enlarging the obligations of Lessee hereunder, and no change in ownership shall be binding on Lessee until sixty days after Lessee has been furnished the original or duly authenticated copies of the documents establishing such change of ownership to the satisfaction of Lessee or until Lessor has satisfied the notification requirements contained in Lessee's usual form of division order. In the event of the death of any person entitled to shut-in royalties hereunder, Lessee may pay or tender such shut-in royalties to the credit of decedent or decedent's estate at the address designated above. If at any time two or more persons are entitled to shut-in royalties hereunder, Lessee may pay or tender such shut-in royalties to such persons, either jointly, or separately in proportion to the interests which each owns. If Lessee transfers its interest hereunder in whole or in part, Lessee shall be relieved of all obligations hereafter existing with respect to the transferred interests, shall not affect the rights of Lessee with respect to any interests not so transferred. If Lessee transfers a full or undivided interest in all or any portion of the area covered by this lease, the obligation to pay or tender shut-in royalties hereunder shall be divided between Lessee and the transferee in proportion to the net acreage interest in this lease then held by each.
- 9. Release of Lease: Lessee may, at any time and from time to time deliver to Lessor or file of record a written release of this lease as to a full or undivided interest in all or any portion of the area covered by this lease or any depths or zones thereunder, and shall thereupon be relieved of all obligations thereafter arising with respect to the interest so released. If Lessee releases less than all of the interest or area covered hereby, Lessee's obligation to pay or tender shut-in royalties shall be proportionately reduced in accordance with the net acreage interest retained hereunder.
- 10. Ancillary Rights: No well shall be located less than 300 feet from any house or commercial building now on the leased premises without Lessor's consent, and Lessee shall pay for damage caused by its operations to buildings and other improvements now on the leased premises.
- 11. Non-Surface Limitation: Lessee shall not conduct any surface operations upon any part of the surface of the leased premises. Lessee shall however, have a sub-surface easement to horizontally drill under the surface of the leased premises. Notwithstanding anything contained herein to the contrary, Lessee shall have the right to conduct seismic operations, but only by utilizing the vibroseis-method.
- 12. Environmental Safeguards: Lessee shall employ such measures as will reduce the impact of its operations upon improvements, vegetation and habitat on the leased premises. Lessee shall use reasonable care and safeguards in conducting its operations in or under the leased premises to prevent contamination or pollution from any waste, pollutant, or contaminant to any environmental medium, including soil, surface waters, groundwater, sediments, surface or subsurface strata, ambient air, or any other environmental medium in, on, or under the leased premises. Lessee shall remediate any condition which is hazardous to humans or wildlife resulting from Lessee's operations in or under the leased premises.
- 13. Visual Appearance: Lessee shall not permit the disposal of trash, storage of used equipment or other such materials on the well sites and shall maintain the well sites in a neat and orderly fashion. Lessee shall construct or improve necessary lease roads as all weather roads and shall maintain such roads in a good state of condition and repair in order to prevent excess dust and erosion and maintain the continuity of the surrounding environment. For safety and appearance, Lessee shall install appropriate fences around each well and related facilities in a visually appealing manner in an effort to maintain the continuity of the surrounding area, and shall maintain the fences in a good state of repair. Upon conclusion of Lessee's drilling and completion operations, Lessee shall restore that portion of the well site not being utilized by Lessee for producing operations as nearly as is reasonably practicable to its original state. In addition, Lessee shall maintain the well sites in a manner whereby they shall be free of noxious vegetation and debris resulting from Lessee's operations. Upon lease expiration, Lessee shall remove all of Lessee's equipment and restore the surface of the ground as nearly as is reasonably practicable to its original state.
- 14. Groundwater Protection: Any oil or gas wells drilled by Lessee shall be drilled in compliance with the surface casing requirements imposed by the State of Texas for groundwater protection and Lessee shall install such surface casing in the required manner in order to insure the protection of all fresh water bearing formations in and under the leased premises.
- 15. Noise Abatement and Safety: Lessee shall utilize modern equipment with appropriate safeguards in its drilling, completion and producing operations. Whenever possible, Lessee shall install sound barriers and utilize hospital grade mufflers on compressors to reduce noise levels and emissions while conducting its operations in populous urban areas.
- 16. Seismic Operations: Lessee shall pay for all damages incurred to the leased premises which result from its seismic operations. Other than seismic operations as provided herein, by execution and delivery of this Lease, Lessee does not otherwise obtain the right to conduct exploration, excavation or drilling operations from or upon the surface of any portion of the leased premises.
- 17. Local Ordinances: In conducting its operations hereunder, Lessee shall comply with all ordinances, rules or regulations imposed by the City of Arlington or other governmental agency which are in effect as of the date of this lease.
- 18. Regulation and Delay: Lessee's obligations under this lease, whether express or implied, shall be subject to all applicable laws, rules, regulations and orders of any governmental authority having jurisdiction, including restrictions on the drilling and production of wells, and regulation of the price or transportation of oil, gas and other substances covered hereby. Lessor hereby agrees that, in the event Lessee deems it necessary to seek a variance, waiver or other relief from any laws, rules, regulations, or orders (which for purposes of this paragraph shall include any ordinance) or other such authority exercised by, (i.) the City of Arlington, including but not limited to the well setback distance for gas drilling and production, or (ii.) by any other governmental entity or authority having jurisdiction, then Lessor shall engage in reasonable acts and execute and deliver such instruments and documents Lessee deems necessary or convenient in seeking such relief. In the event Lessee is required by such authority to acquire Lessor's consent as a prerequisite to obtain such variance, waiver or other relief, Lessor grants to Lessee and agrees that Lessee's leasehold estate acquired hereunder includes, the right to utilize this lease as Lessor's consent and ratification of any subsequent variance, waiver or other relief Lessee seeks, without the necessity of Lessee obtaining any additional or subsequent consent/s from Lessor. Lessor furthermore agrees not to execute documents or instruments or engage in acts that would diminish or adversely affect the relief Lessee is seeking. When drilling, reworking, production or other operations are prevented or delayed by such laws, rules, regulations or orders, or by inability to obtain necessary permits, equipment, services, material, water, electricity, fuel, access or easements, or by fire; flood, adverse weather conditions, war, sabotage, rebellion, insurrection, riot, strike or labor disputes, or by inability to obtain a satisfactory market for production or failu
- 19. Breach or Default: No litigation shall be initiated by Lessor for damages, forfeiture or cancellation with respect to any breach or default by Lessee hereunder, for a period of at least 90 days after Lessor has given Lessee written notice fully describing the breach or default, and then only if Lessee fails to remedy the breach or default within such period. In the event the matter is litigated and there is a final judicial determination that a breach or default has occurred, this lease shall not be forfeited or cancelled in whole or in part unless Lessee is given a reasonable time after said judicial determination to remedy the breach or default and Lessee fails to do so.
- 20. Warranty of Title: Lessor hereby agrees to defend title conveyed to Lessee hereunder, and agrees that Lessee at Lessees' option may pay and discharge any taxes, mortgages or liens existing, levied or assessed on or against the leased premises. If Lessee exercises such option, Lessee shall be subrogated to the rights of the party to whom payment is made, and, in addition to its other rights, may reimburse itself out of any royalties or shut-in royalties otherwise payable to Lessor hereunder. In the event Lessee is made aware of any claim inconsistent with Lessor's title, Lessee may suspend the payment of royalties and shut-in royalties hereunder, without interest, until Lessee has been furnished satisfactory evidence that such claim has been resolved.

IN WITNESS WHEREOF, this lease is executed to be effective as of the date first written above, but upon execution shall be binding on the signatory and the signatory's heirs, devisees, executors, administrators, successors and assigns, whether or not this lease has been executed by all parties hereinabove named as Lessor.in witness whereof this instrument is executed on the date first above written.

ESSOR: LESSOR: Signature: Signature: Individually and in all Capacities for the above described Land) Name: Harrica Printed Name: ACKNOV LEDGEMENTS
STATE OF TEXAS S COUNTY OF TARRANT S This instrument was acknowledged before me on the 27 day of MARCH 2008, by Harold Epperson , as Lessor. Notary Public for the State of Texas
COUNTY OF TARRANT \$ COUNTY OF TARRANT \$ This instrument was acknowledged before me on the day of, as Lessor. Notary Public for the State of Texas
EXHIBIT "A"
ATTACHED TO AND MADE A PART OF THAT CERTAIN OIL AND GAS LEASE BY AND BETWEEN Harold Epocisian, AS LESSOR AND CARRIZO OIL & GAS, INC., AS LESSEE.
LEGAL DESCRIPTION LEGAL DESCRIPTION LEGAL DESCRIPTION Addition, acres of land, more or less, being all of Lot

EXHIBIT "A"

ATTACHED	TO	AND	MADE	Α	PART	OF	THAT	CERTAIN	OIL	AND	GAS	LEASE	BY	AND	BETWEEN
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LEGAL DESCRIPTION															
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addition to the City of Arlington, Tarrant County, Texas, according to that certain plat recorded in Volume 388 - V, Page 49, of															
the Plat Record	ls of Ta	rrant Co	unty, Texa	is.											